

AMENDMENT TO SPECIFICATION - ABSTRACT

Please enter the following Abstract:

Abstract

5 A power system (8) is provided for economically supplying
uninterrupted electrical power to one or more critical
loads (14). One or more fuel cell power plants (18) provide
one substantially continuous source of power, and a utility
grid (10) provides another source of power. The fuel cell
power plants (18) are normally substantially continuously
connected and providing power to, the critical load(s)
10 (14). A rapidly-acting static switch (19) selectively
disconnects and reconnects the grid power supply (10) to
the critical load(s) (14) and with the fuel cell power
plant(s) (18) for abnormal and normal grid operation,
respectively. A switch controller (49, 45) controls the
15 state of the static switch (19) to rapidly (less than 4 ms)
make the disconnections and reconnections. The fuel cell
power plants (18) each include power conditioning systems
(PCS) indirectly controlled by the switch controller (49,
45) to in turn rapidly transition the PCSs of the fuel cell
20 power plants (18) between grid connected and grid
independent modes.